



PATENT
Docket No.: 19226/2201 (R-5771)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) :	Szyperski et al.)	Examiner:
)	Unknown
Serial No. :	10/628,818)	
Filed :	July 28, 2003)	Art Unit:
)	3737
For :	PHASE-SENSITIVELY DETECTED)	
	REDUCED DIMENSIONALITY NUCLEAR)	
	MAGNETIC RESONANCE SPECTROSCOPY)	
	FOR RAPID CHEMICAL SHIFT)	
	ASSIGNMENT AND SECONDARY)	
	STRUCTURE DETERMINATION OF)	
	PROTEINS)	

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

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Respectfully submitted,

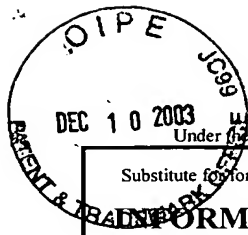
Date: December 8, 2003

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Date <u>12/8/03</u>	<u>Sheri A. Moscato</u> Sheri A. Moscato



Substitute for Form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/628,818
				Filing Date	07/28/2003
				First Named Inventor	Szyperski
				Art Unit	3737
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	19226/2201 (R-5771)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
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FOREIGN PATENT DOCUMENTS						
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	1	Szyperski et al., "Reduced Dimensionality in Triple-Resonance NMR Experiments," <i>J. Am. Chem. Soc.</i> , 115:9307-9308 (1993)	
	2	Szyperski et al., "3D ¹³ C- ¹⁵ N-Heteronuclear Two-Spin Coherence Spectroscopy for Polypeptide Backbone Assignments in ¹³ C- ¹⁵ N-Double-Labeled Proteins," <i>J. Biomol. NMR</i> , 3:127-132 (1993)	
	3	Szyperski et al., "3D H ^{αβ} C ^{αβ} (CO)NHN, a Projected 4D NMR Experiment for Sequential Correlation of Polypeptide ¹ H ^{αβ} , ¹³ C ^{αβ} and Backbone ¹⁵ N and ¹ H ^N Chemical Shifts," <i>J. Magn. Reson.</i> , B105:188-191 (1994)	

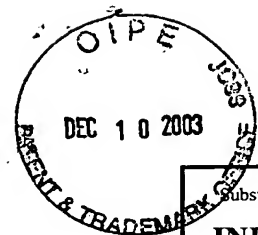
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				Application Number	10/628,818
				Filing Date	07/28/2003
				First Named Inventor	Szyperski
				Group Art Unit	3737
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	19226/2201 (R-5771)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	4	Szyperski et al., "A Novel Reduced-Dimensionality Triple-Resonance Experiment for Efficient Polypeptide Backbone Assignment, 3D <u>CO HN N CA</u> ," <u>J. Magn. Reson.</u> , B108:197-203 (1995)	
	5	Szyperski et al., "Useful Information from Axial Peak Magnetization in Projected NMR Experiments," <u>J. Am. Chem. Soc.</u> , 118:8146-8147 (1996)	
	6	Szyperski et al., "Two-Dimensional <u>α-HC(C)H-COSY</u> for Resonance Assignments of Smaller ¹³ C-Labeled Biomolecules," <u>J. Magn. Reson.</u> , 128:228-232 (1997)	
	7	Szyperski et al., "Sequential Resonance Assignment of Medium-Sized ¹⁵ N/ ¹³ C-Labeled Proteins with Projected 4D Triple Resonance NMR Experiments," <u>J. Biomol. NMR</u> , 11:387-405 (1998)	
	8	Liu et al., "NMR Experiments for Resonance Assignments of ¹³ C, ¹⁵ N Doubly-Labeled Flexible Polypeptides: Application to Human Prion Protein hPrP(23-230)," <u>J. Biomol. NMR</u> , 16:127-138 (2000)	
	9	Yamazaki et al., "Assignments of Backbone ¹ H, ¹³ C, and ¹⁵ N Resonances and Secondary Structure of Ribonuclease H from <i>Escherichia coli</i> by Heteronuclear Three-Dimensional NMR Spectroscopy," <u>Biochemistry</u> , 30:6036-6047 (1991)	
	10	Brutscher et al., "Determination of an Initial Set of NOE-Derived Distance Constraints for the Structure Determination of ¹⁵ N/ ¹³ C-Labeled Proteins," <u>J. Magn. Reson.</u> , B109:238-242 (1995)	
	11	Szyperski et al., "Reduced-Dimensionality NMR Spectroscopy For High-Throughput Protein Resonance Assignment," <u>PNAS</u> , 99:8009-8014 (2002)	

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